



**US Army Corps
of Engineers**
Honolulu District



WAIKIKI BEACH EROSION WAIKIKI, ISLAND OF OAHU

Project Location. Waikiki Beach is on the southern coast of Oahu and east of metropolitan Honolulu.

Authorization. The project was authorized under the River and Harbor Act of 3 September 1954.

Local Sponsor. The local sponsor is the State of Hawaii.

Completed Work. Erosion problems along Waikiki beach began with the development of the area in the early 1900's. The Corps became involved in the battle to control erosion of the beach in 1947 at the request of the Territory of Hawaii. Work completed in 1957 (\$216,356 federal funds) provided for federal participation in the amount equal to one-third of the cost of improvement to protect the publicly-owned shores from the War Memorial Natatorium to the southeast boundary of Fort DeRussy. Improvements included placement of 159,844 cubic yards of sand to widen the beach to an average width of 100 feet; terrace walls 1,164 feet long; and drainage facilities. Improvements to the Fort DeRussy sector were completed in 1970 with military non-appropriated funds.

Construction of the Kuhio Beach sector was completed in 1972 by the state of Hawaii. Placement of a 2-foot-thick layer of natural sand at Fort DeRussy was completed in 1975 (\$313,723 federal funds) and beach cleaning was completed in 1981 (\$90,000 federal funds). A contract to remove coral fragments from the Fort DeRussy sector was completed in December 1987 at a cost of \$93,000 in federal funds.

A construction contract (\$191,808 federal funds) for the Kapiolani Park (Kawahulu Drain to Elks Club) sector was terminated in November 1973 (in view of the State Supreme Court injunction when it was learned that the State of Hawaii did not have the authority to demolish the War Memorial Natatorium).

Present Status. No further work is scheduled in this sector. Cost for the completed items was \$929,727 (federal: \$912,087; non-federal: \$17,640).